SYSTEM AND METHOD FOR PROVIDING PERSONALIZED WEATHER REPORTS AND THE LIKE

ABSTRACT OF THE DISCLOSURE

| A system and method for generating weather reports and the like |
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| which are precisely computed automatically for a particular individual user's |
| geographic location and which are provided automatically to the individual user. A |
| user establishes an individualized user profile in which the user defines a particular |
| location of interest, a contact address, and optionally, a personalized activity |
| weather condition profile, establishing a preferred weather condition profile for |
| activities of interest. A detailed and accurate weather forecasting model is run to |
| provide high geographical and temporal resolution forecast data. The resulting |
| modeled forecast data may be constrained by an operator using a constrainer |
| module. The high resolution forecast data is compared to the individual user profile |
| and a personalized weather report for the particular location, times, and conditions |
| of interest are provided automatically to the individual, $e.g.$, via e-mail and/or at a |
| personalized internet web page. A detailed weather forecast report may be |
| provided in an easily readable tabular form, with notable weather conditions, e.g., |
| daily high and low temperatures, highlighted. The high resolution forecast data |
| may be generated locally for a limited region, $e.g.$, at a television station for the |
| station's viewing area, using initialization conditions provided from a central |
| location, and/or for a wider region, e.g., the entire country, using a less high |
| resolution weather forecast module. |